

N.C.D.O.T. GEOTECHNICAL UNIT BORING LOG

PAGE 1 OF 1

W.o.	THAMBE											PAG	E 1 OF	1	
PRO	JECT NO.	3	3296.1	.1	ID No. B-	3848 C	OUNTY	Guilfo	ord		GEOLOG	IST G	.Licayan/P.\	Neaver	
SITE	DESCRIP	TION	Bridge	No. 10	2 Over Lake Higgins/Brush	Creek o	n SR 212	24					GROUN	ID WATER ((ft)
BOR	ING NO.	B2-B	,	во	RING LOCATION 13+79		OFFSE	ET 21f	t RT		ALIGNMENT -L-		0 HR.	NA	
COL	AR ELEV	. 760.	9 ft	NORT	HING 874670.63		EASTI	NG 1	73421	2.08			24 HR.	NA	
тот	AL DEPTH	64.1	ft	DRILL	MACHINE CME 45 SKID	DRIL	L METHO	DD Wa	sh Rot	ary/N	IQ Core	HAMI	MER TYPE	140 lb Ma	nual
DATI	STARTE	D . 5/	16/05		COMPLETED 5/18	/05	SURF	ACE W	ATER	DEP	ΓΗ 4.0 ft	·L			
ELEV	. DEPTH	BLO	ow col	JNT	BLOWS PER F	OOT		SAMP.	V/	L					
(ft)	(ft)	0.5ft	0.5ft	0.5ft	0 20 40 60	0 80	100	NO.	моі	O G	SOIL AN	ID ROCE	(DESCRIPT	ION	
					<u></u>										
					•										
764.	9				Water Surfa	ace			<u> </u>	-					
	‡									F	•				
750	, †				Mud Line)				233	760.9 ALLUVIAL: S	off to Ve	ny Stiff Tan a	nd Grev	0.00
759.	9 1.0	2	1	1	• • • • • • • • • • • • • • • • • • • •				w		 Clayey, Coars 	e to Fine	Sandy SILT	with Trace	
757.	4 + 3.5	2	1	2					w		. Mica				
754.	9 🕇 6.0										, 				
752.	4 + 8.5	4	7	10	17				W		• •				
102.	1	5	7	10	17	<i></i>			w		• •				
	+				/						-				
747.	4 13.5			<u> </u>	/				w						
	Ŧ	1	1	1	2				**		- 744.9				16.0
	Ŧ									000	ALLUVIAL: L Grey and Ora	oose to l	Medium Dens	e; Tan, AND with a	
742.	4 <u>† 18.5</u> †	5	5	5					SAT	0000	Little Gravel a	ind a Tra	ce of Silt		
1	‡									000	-				
737.	4 + 23.5									0000	- -				
	1	5	10	11	21			SS-12	SAT	000	735.9	\	D t- \/	. Danasi	25.0
	±									000	RESIDUAL: Black, White	and Tan;	Silty; Fine to	Coarse	
732.	4 + 28.5	10	9	15					w.	000	- SAND with a - Mica	Little Ro	ck Fragments	and Trace	
	<u>+</u>	10	"	13	24				''	000	- 				
707	Ŧ									000	<u>.</u>				
727.	4 + 33.5 +	38	34	29		63		SS-13	w	000	-				
	‡					:[:::::			1	000	- 				37.0
722.	4 + 38.5									2	WEATHERE Brown; Sever	D ROCK	: Black, Whit	e, Tan to	
	1	80	20/1				100/.6				METAMORP	HOSED	GRANITIC R	OCK with	
	+									2	Very Close Fi	acture S	pacing		
716.	8 44.1										- -				
	±	65	35/.2				100/:7				-				
705	ł										712.9		A		48.
6/20/05	Ŧ									ΓI	CRYSTALLIN Grey; Modera				
SDT	Ŧ										709.6 Moderately H - \GRANITIC R	ard to Ha	ard; METAMC	RPHOSED	51.
DOT.GDT	Ŧ										 Fracture Span 	cing	•		
	‡							RS-2			- CRYSTALLIN and Grey with	a Little	Pink; Very Sli	ghtly	
GP.	‡										 Weathered to METAMORP 			OCK with	
2012.	‡									F	- 702.5 Wide Fractur CRYSTALLIN			ite to Tan	58.
07105012.GPJ NC	‡									1	and Grey with Weathered to	a Little	Pink; Very Sli	ghtly	
- W	‡									[//	METAMORP	HOSED	GRANITIC R	OCK with	•
	<u> </u>	-	1	+					1-	+	Boring Termi	nated at	Elevation 696	3.8ft in	64.
BORE	+										– CRYŠTALLIN - GRANITIC R	IE ROCI	K: METAMOI	RPHOSED	
OT B	İ										- Note: Drilling		Lake Water A	Mone	
NCDOT	Ŧ		1								- Troto. Drilling	, , , , , , , , , , , , , , , , , , , ,			



CORE BORING REPORT

SHEET 23 OF 34

PAGE 1 OF 1

OF TH	AMBY									PAGE 1 OF 1					
PROJECT NO. 33296.1.1 ID No. B-3848 C						ID No.		B-38	348	COUNTY Guilford GEOLOGIST G.Licayan/P.Weaver					
	ESCRIPT	TION	Bridge	No. 102	Over	Lake Higg	ins/Bru	ish Cr	eek o	c on SR 2124 GROUND WATER (ft)					
BORING	NO.	B2-B		вог	RING L	OCATION	V 13	+79		OFFSET 21ft RT ALIGNMENT -L- 0 HR. NA					
COLLAR ELEV. 760.9 ft NORTHING 874670.63						874670.	63			EASTING 1734212.08 24 HR. NA					
TOTAL)	DF	METHOD Wash Rotary/NQ Core HAMMER TYPE 140 lb Manual					
DATE S	DATE STARTED 5/16/05 COMPLETED 5/18/05							5/18/0	5	SURFACE WATER DEPTH 4.0ft					
CORES	CORE SIZE NQ TOTAL RUN 24.3 ft									DRILLER R.Toothman					
ELEV.	DEPTH (ft)	RUN (ft)	DRILL RATE	REC.	JN RQD (ft)	SAMP.	REC.	ATA RQD (ft)	L 0	DESCRIPTION AND REMARKS					
(11)	(11)	(11)	(Min/ft)	(ft) %	(ft) %		(ft) %	(ft) %	G						
										Begin Coring @ 39.1 ft 721.8 WEATHERED ROCK: Black, White and Tan to Brown; Severely Weathered; 39.1					
721.8	39.1	5.0	:40 1:00 1:10 :55	(0.0) 0%	(NA)		(0.3) 4%	(NA)		721.8 WEATHERED ROCK: Black, White and Tan to Brown; Severely Weathered; 39.1 Very Soft to Soft; METAMORPHOSED GRANITIC ROCK with Very Close Fracture Spacing					
716.8	44.1		1:20	<u>_</u>					以						
716.1	44.8	4.3	N=100/.3 :20/0.3 :55	(1.3)	(0.4) 9%					712.9 48.0					
711.8	49.1	5.0	1:10 1:25	(3.8)	(3.3)	<u> </u>	(2.0) 61%	(0.9) 27%	17	CRYSTALLINE ROCK: Black, White and Grey; Moderately to Slightly Weathered: Moderately Hard to Hard: METAMORPHOSED GRANITIC ROCK					
		3.0	3:00	76%	66%	RS-2	(7.1)	(7.1)	K/)	7 - 709.6 with Very Close to Close Fracture Spacing 51.3					
706.8	54.1		1:10 3:25			710-2	100%	100%	11	4 Joints at 60 to 70 Degrees with Some Iron Staining 7 Joints at 10 to 20 Degrees					
		5.0	4:15 5:00	(4.7) 94%	(4.4) 88%				 / /	Sand Layer at +/- 50' to +/- 51'					
			4:25 5:05						1	CRYSTALLINE ROCK: Black, White to Tan and Grey with a Little Pink; Very Slightly Weathered to Fresh; Very Hard; METAMORPHOSED GRANITIC					
701.8	59.1	5.0	5:45 7:30	(4.6)	(4.3)		(5.0) 88%	(4.4) 77%	17	ROCK with Wide Fracture Spacing					
			9:30 5:10	_ 92%	86%				1	No Natural Breaks CRYSTALLINE ROCK: Black, White to Tan and Grey with a Little Pink; Very					
696.8	64.1		5:05 5:10			-				64. Slightly Weathered to Fresh; Hard to Very hard; METAMORPHOSED GRANITIC ROCK with Close to Moderately Close Fracture Spacing					
			7:10 7:30	1						7 Joints at 10 to 20 Degrees					
			7.00	_						Coring Terminated at Elevation 696.8 in CRYSTALLINE ROCK:					
										METAMORPHOSED GRANITIC ROCK					
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9										<u>-</u>					
77/0										-					
25										<u> </u>					
S S										ţ.					
GP.															
20120										F					
NCDOT CORE SINGLE 0/1080/12C.GPJ NC_DOT.GDT 8/20/09										F					
3LE										<u>F</u>					
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201										F					
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